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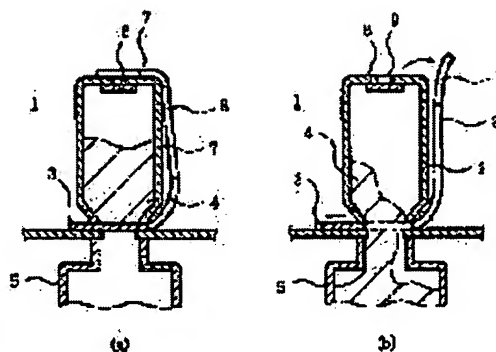
## (54) TONER SUPPLY MECHANISM

(57)Abstract:

PURPOSE: To prevent an electrophotographic device and its periphery from being stained because of the flying of remaining or retaining toner in the case of detaching a cartridge for supplying toner after supplying the toner.

CONSTITUTION: This mechanism is constituted of a trunk part 2 and a shutter 3 which is opened/closed in the case of supplying the toner, and the toner 4 is stored in the inner part. A vent hole 9 to release air inside the cartridge for supplying toner 1 is formed at the upper part of the trunk part 2, and a filter 6 is attached to the hole 9.

The filter 6 has a mesh smaller than the particle of the toner 4, and the toner 4 is prevented from flying outside the trunk part 2. Furthermore, a seal 7 for storage of the cartridge 1 is stuck to the upper part of the filter 6, and the seal 7 is connected to the shutter 3 via a ribbon 8. By pulling the shutter 3, the seal 7 is pulled and peeled.



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